TYPE: Coding System Different from that of ISO 2022	REGISTRATION NUMBER : **108**
	DATE OF REGISTRATION: Aug.1, 1985

ESCAPE SEQUENCE : ESC 2/5 4/1

NAME   Syntax of the North American Videotex/Teletext Presentation Level Protocol (NAPLPS)

DESCRIPTION

A coding system different from that of ISO 2022, containing all the control and graphic characters needed for the North American Videotex/Teletext.

This complete coding system is specified in the identical ANSI and CSA 150-page standards quoted below. The full text of the standard(s) is available from either sponsor named below.

The code accommodates both a 7-bit and an 8-bit per character environment depending on implementation needs. It uses ESC 2/5 4/0 to return from this Coding System to the coding system according to ISO 2022 that is in use at the time of invocation of the North American PLPS.

The standard describes the formats, rules, and procedures for encoding alphanumeric text and pictorial information for Videotex and Teletext applications. It is based on the architecture defined in the ISO Reference Model of Open Systems Interconnection and provides for "blind" interchange. The standard defines a specific data syntax for use by OSI Presentation Layer protocols and some specific semantics for use in the Application Layer in Videotex and Teletext applications.

Included in the standard are:

A. Two control character sets:

1. The C0 control set of 32 control characters which includes: format effectors, code extension control characters, transmission control characters, and device control characters.

2. The C1 control set of 32 control characters allowing control over text format and creating macros, DRCS-programmable texture masks, and unprotected information fields.

B. Four graphic character sets:

   1. The Primary Character Set of 94 characters which is the graphic
      character set of ANSI X3.4-1977 (ASCII) and CSA Z243.4-1973.

   2. The Supplementary Character Set of 94 characters comprising
      accents, diacritical marks and special characters for Latin-
      based alphabets based on CCITT Recommendation S.100-1980 plus
      some additional characters.

   3. The Mosaic Set of 65 characters for the creation of pictorial
      information by means of mosaic characters.

   4. The DRCS Set of up to 96 characters for downline loading of
      any graphic symbols.

C. Two further sets allocated to columns 2 to 7:

   1. The Picture Description Instruction (PDI) Set of 96 characters
      which provides executable drawing functions for pictorial in-
      formation.

   2. The Macro Set of up to 96 macros for downline loading any
      strings of coded representations of Presentation Level char-
      acters.

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ORIGIN   - American National Standard ANSI X3.110-1983
               - Canadian Standard CSA T500-1983

FIELD OF UTILISATION

   Videotex and Teletext applications.